

APPENDIX A: SECONDARY-LEVEL IT CERTIFICATES OF PROFICIENCY

The following course work will be required for the secondary-level Certificates of Proficiency that will be offered through the Rigorous Program of Study program at the Advanced Learning Center in Springville, Utah (Nebo School District).

TABLE 2: COMPUTER SCIENCE CERTIFICATE OF PROFICIENCY – ALC TO UVU ACADEMIC YEAR 2014/15

High School Course	UVU Course Required	Credit
GENERAL EDUCATION Required Courses		
Language Arts 12 CE	ENGL1010—Introduction to Writing	3
Algebra 2 CE, or Pre-calculus Elective CE	MATH1010-Intermediate Algebra (pre-req. Algebra II or Secondary 3), or MATH1050-College Algebra	4
	Total	7
COMPUTER SCIENCE Required Courses		
Computer Programming I CE	CS 1030 Foundations of Computer Science	3
Computer Programming I CE	CS 1400 Fundamentals of Programming	3
Computer Programming II CE	CS 1410 Object-Oriented Programming *Prerequisite for CS 2420	3
Concurrent enrollment in CS 2420 under the Concurrent Enrollment Program Approved for 2015-2016 and is offered at ALC	CS 2420 Introduction to Algorithms and Data Structures	3
	Total	12
Total Required Credits		19

TABLE 3: DIGITAL MEDIA CERTIFICATE OF PROFICIENCY – ALC TO UVU ACADEMIC YEAR 2014/15

High School Course	UVU Course Required	Credit
GENERAL EDUCATION Required Courses		
Language Arts 12 CE	ENGL1010—Introduction to Writing	3
Algebra 2 CE, or Pre-calculus Elective CE	MATH1010-Intermediate Algebra (pre-req. Algebra II or Secondary 3), or MATH1050-College Algebra	4
	Total	7
DIGITAL MEDIA Required Courses		
Multimedia I-Design/Dev CE	DGM1110-Digital Media Essentials	3
Video Production 2 CE	DGM2110-Digital Motion Picture Essentials	3
Web Development I CE	DGM2120-Web Essentials	3
Concurrent and Digital Audio Essentials CE Waiting for USOE CTE Master List approval	DGM2130-Digital Audio Essentials	3
3D Animation CE	DGM2210-3D Modeling and Animation Essentials	4
	Total	16
Total Required Credits		23

TABLE 4: INFORMATION TECHNOLOGY CERTIFICATE OF PROFICIENCY – ALC TO UVU ACADEMIC YEAR 2014/15

High School Course	UVU Course Required	Credit
GENERAL EDUCATION Required Courses		
Language Arts 12 CE	ENGL1010—Introduction to Writing	3
Algebra 2 CE, or Pre-calculus Elective CE	MATH1010-Intermediate Algebra (pre-req. Algebra II or Secondary 3), or MATH1050-College Algebra	4
	Total	7
INFORMATION TECHNOLOGY Required Courses		
Intro to Infotech CE	INFO 1120-Information Systems and Technology Fundamentals	3
Computer Programming I CE	INFO 1200-Computer Programming I for IS/IT	3
Linux Fundamentals CE	IT 1510 Introduction to System Administra- tion—Linux/UNIX	3
Concurrent A+ (Computer Repair/Maint.) CE under ALC Approved for 2015-2016 and is offered at ALC	IT 1600 Computer Architecture and System Software	3
	Total	12
Total Required Credits		19